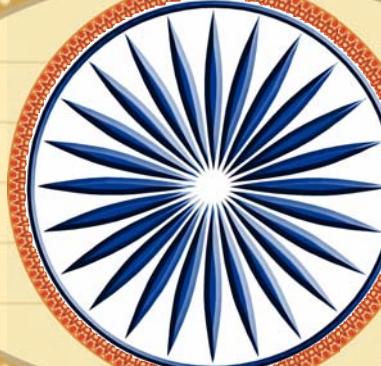




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मानक



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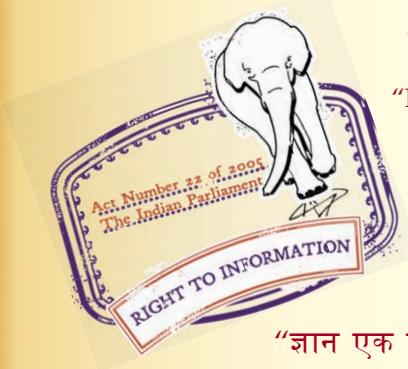
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SPECIFICATION FOR HOLDALLS

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Indian Standard

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Indian Standard

SPECIFICATION FOR HOLDALLS

0. F O R E W O R D

0.1 This Indian Standard was adopted by the Indian Standards Institution on 27 January 1976, after the draft finalized by the Travel Requisites Sectional Committee had been approved by the Consumer Products and Medical Instruments Division Council.

0.2 In the preparation of this standard due weightage has been given to the proper type of material to be used and prevalent trade practices being followed by the manufacturers in this field. Though the users are free to have the sizes and dimensions of their choice, more popular sizes have been given for their guidance.

0.3 Holdalls are used for packing bedding mainly required for travel. The holdalls available in the market are, sometimes, of sizes which are not suitable for railway berths and sometimes the lengths do not allow a normal person to be able to use the spread holdalls for sleeping. These and other considerations have made it necessary to prepare standard specification for holdalls.

0.4 Type 1 holdall has been designed for accommodating bedding, blankets and quilts and some quantity of cloths and other articles. This type has been popular even to carry heavy bedding and other requirements in extreme winter conditions. Type 2 holdall is generally useful in normal weather conditions and for carrying moderate bedding material.

0.5 The lengths of holdalls specified in this standard would cater to the requirements of majority of users and will also be suitable for the normal lengths of railway berths. The various widths of holdalls included in this standard are expected to fit in the normal widths of railway berths.

0.6 This standard contains clauses which call for agreement between the purchaser and the supplier and which permit the buyer to use his option for selection to suit his requirements. These clauses are **4.3, 5.5, 5.9, 5.10, 9.1 and 9.2**.

0.7 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Rules for rounding off numerical values (*revised*).

1. SCOPE

1.1 This standard lays down requirements for holdalls for packing bedding for travel.

2. TYPES

2.1 The holdalls shall be of the following types:

- a) *Type 1* — for heavy duty, and
- b) *Type 2* — for light duty.

3. MATERIALS

3.1 The various components of holdalls shall be made of the materials specified in Table 1. Material not specifically designated shall be suitable for the purpose intended.

TABLE 1 MATERIALS FOR COMPONENTS OF HOLDALLS

SL No.	COMPONENT	MATERIAL	
		Type 1	Type 2
i)	Main body	Cotton duck conforming to variety No. 2 of IS:1422-1970 ¹	Cotton duck conforming to variety No. 3 of IS:1422-1970 ¹ or Rubberized-cotton fabric preferably the rubber lining sandwiched between two layers of the fabric
ii)	Webbing	Lining leather conforming to Type 1 of IS:3840-1966 ²	Lining leather conforming to Type 2 or Type 3 of IS:3840-1966 ² or Leathercloth conforming to Grade 3 of IS:1259-1962 ³ or Cotton webbing conforming to IS:6488-1972 ⁴

(*Continued*)

TABLE 1 MATERIALS FOR COMPONENTS OF HOLDALLS — *Contd*

SL. No.	COMPONENT	MATERIAL	
		Type 1	Type 2
iii)	Sewing thread	Linen thread conforming to variety No. 3 or 3R of IS:2196-1966 ⁵	Linen thread conforming to variety No. 3 or 3R of IS:2196-1966 ⁵ or Cotton sewing thread conforming to variety No. 19 of IS:1720-1969 ⁶
iv)	Straps, handle, fixed and running loops	Leather, buffalo, curried	Leather, buffalo, curried or E.I. kips and skins conforming to IS:1639-1960 ⁷ or Cotton duck conforming to variety No. 3 of IS:1422-1970 ¹
v)	Corner strengthening pieces and washers	Leather, buffalo, curried	Leather, buffalo, curried or Leather cloth conforming to Grade 3 of IS:1259-1962 ⁸
vi)	Buckles	Brass or steel conforming to IS:4274-1967 ⁹	Brass or steel conforming to IS:4274-1967 ⁹
vii)	Rivets	Aluminium or steel conforming to IS:3974-1967 ⁹	Aluminium or steel conforming to IS:3974-1967 ⁹
viii)	Eyelets	Brass or aluminium conforming to IS:4084-1967 ¹⁰	Brass or aluminium conforming to IS:4084-1967 ¹⁰

¹ Specification for cotton duck (*first revision*).² Specification for lining leathers.³ Specification for vinyl coated fabrics (leather cloth) (*revised*).⁴ Specification for cotton webbing for personal web equipment.⁵ Specification for linen sewing thread for aeronautical purposes (*revised*).⁶ Specification for cotton sewing threads (*first revision*).⁷ Specification for East-India tanned kips and skins.⁸ Specification for buckles.⁹ Specification for bifurcated rivets for general purposes.¹⁰ Specification for eyelets and washers.

4. SHAPE AND DIMENSIONS

4.1 The shape and dimensions of holdalls and straps shall conform to Fig. 1 to 3.

4.2 A deviation of ± 2.5 percent shall be allowed on all dimensions.

4.3 The holdalls may have dimensions other than those given in this standard subject to agreement between the manufacturer and the supplier.

5. MANUFACTURE, WORKMANSHIP AND FINISH

5.1 The various joints shall be machine-stitched with 28 to 32 stitches per decimetre. The web width shall be 20 to 25 mm. The stitches shall be at a distance of 4 mm from the edges. The stitches shall be of lock stitch type and of even tension.

5.2 Cotton webs of suitable length shall be used for closing Type 1 holdalls. They shall be stitched at suitable places. Buckles of 12 mm size and straps of suitable length shall be used for closing Type 2 holdalls. When cotton webs are used for closing the holdalls, eyelets and washers may be provided.

5.3 Full length of outer straps shall be made up not more than two pieces. Minimum length of one piece shall not be less than 750 mm. The two pieces shall be stitched strongly with flax thread. One end of strap shall be stitched with the buckle strongly and then riveted. The other end of the strap shall be bevelled and rounded.

5.4 The holes on the straps shall be uniformly spaced on the centre line. The holes on the outer strap shall be oval in shape to accommodate prong of the buckle. The holes shall fit the prong without undue pressure being applied.

5.5 An eye shall be provided in the prong of the buckle used on the outer strap for locking if requested by the purchaser.

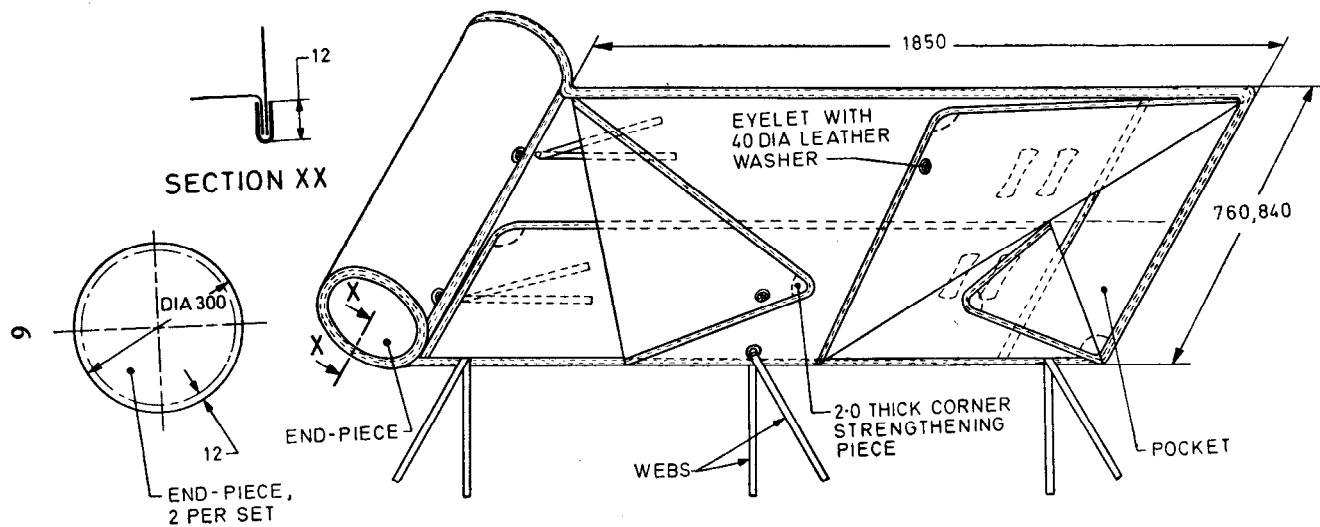
5.6 The handle shall be of four layers, strongly stitched and riveted. The sharp edges of the handle shall be bevelled.

5.7 All the metallic components shall be electroplated to prevent corrosion from atmospheric conditions. The electroplating shall conform to Grade 3 of IS:1068-1968* if made of iron and steel and IS:4827-1970† if made of brass.

5.8 The corners of the holdalls shall be strengthened by providing corner strengthening pieces. The stitches shall be of lock stitch type and of even tension.

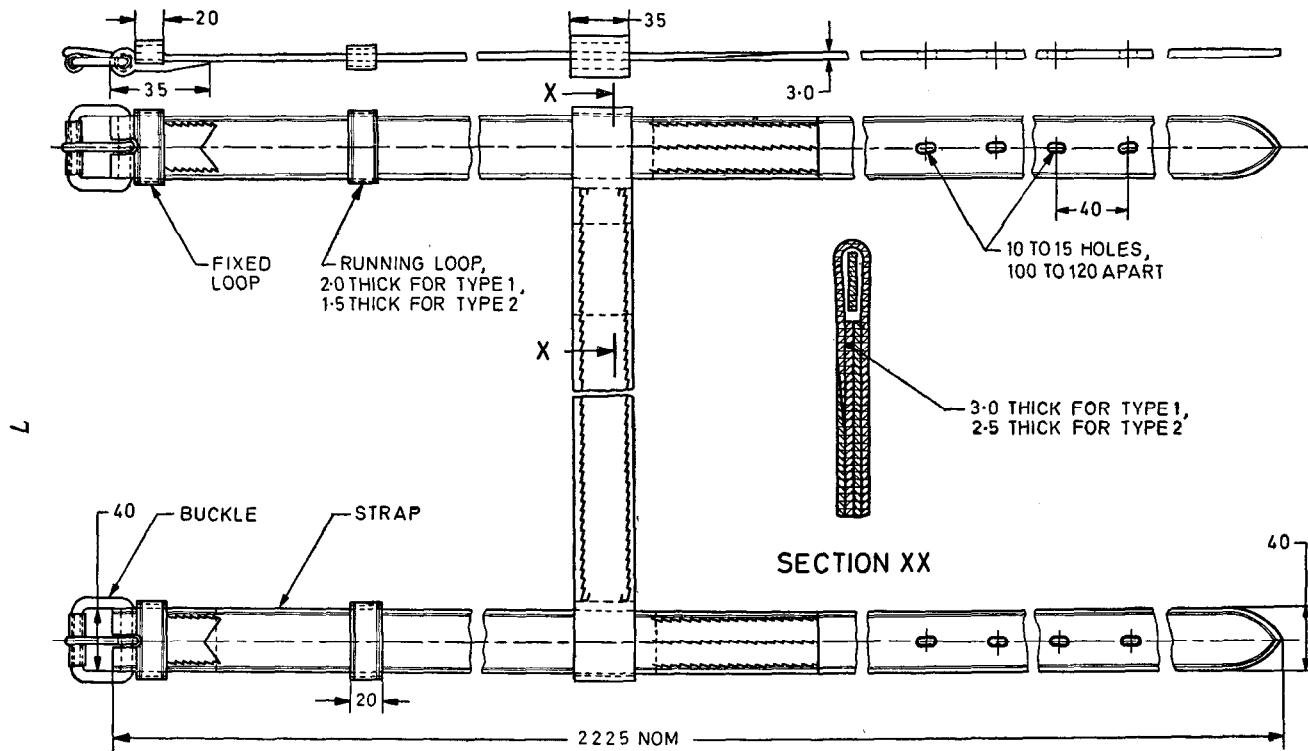
*Specification for electroplated coatings of nickel and chromium on iron and steel (*first revision*).

†Specification for electroplated coatings of nickel and chromium on copper and copper alloys.



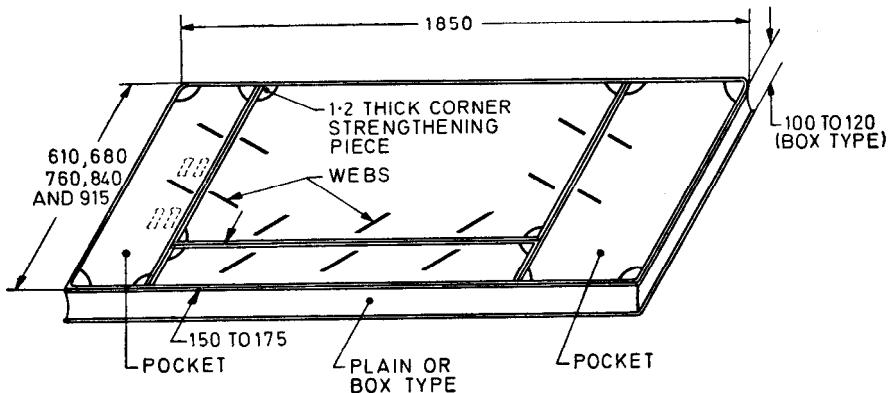
All dimensions in millimetres.

FIG. 1 HOLDALL, TYPE 1



All dimensions in millimetres.

FIG. 2 HOLDALL STRAP



NOTE — Holdall strap 2 000 mm × 25 mm × 2·5 mm thick, 10 to 15 holes, 100 to 120 mm apart, size used (see Fig. 2 for details).

All dimensions in millimetres.

FIG. 3 HOLDALL, TYPE 2

5.9 The cotton duck used for the main body may be dyed, waterproofed in suitable colour as required by the purchaser. The rubberized cotton fabric used for Type 2 holdalls shall be of suitable colour as required by the purchaser.

5.10 The width of the pockets, width and length of the lower and upper flaps may be provided as agreed to between the purchaser and the supplier.

6. TEST

6.1 Holdalls fitted with the minimum of 15 kgf of bedding materials shall be closed and straps fastened. The holdalls shall be dropped 25 times from a height of 3 metres. During or after the test the handle, straps or its buckles shall not give way or the webs snap out, the stitches shall not open.

7. SAMPLING

7.1 Unless otherwise agreed to between the purchaser and the supplier, the procedure given in IS:2500 (Part I)-1973* shall be followed for sampling. The inspection level and the sampling plan as given in 7.1, 7.2 and 7.4 of IS:2500 (Part I)-1973* shall be followed.

7.1.1 The scale of sampling shall be corresponding to inspection level III given in Table 1 of IS:2500 (Part I)-1973* for all the requirements specified in this standard, except the testing of holdalls according to 6.1.

*Sampling inspection tables: Part I Inspection by attributes and by count of defects (*first revision*).

7.1.2 For the testing of holdalls in accordance with the procedures given in **6.1**, the scale of sampling shall be corresponding to inspection level II given in Table 1 of IS :2500 (Part I)-1973*.

7.2 Sampling plan shall be corresponding to AQL of 4·0 percent given in Table 2 of IS :2500 (Part I)-1973*.

8. MARKING

8.1 Each holdall and strap shall be legibly marked with the following:

- a) Manufacturer's name or registered trade-mark;
- b) Type; and
- c) Size.

8.2 Each holdall and strap may also be marked with the ISI Certification Mark.

NOTE—The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

9. PACKING

9.1 Each holdall shall be neatly folded so that the folds are parallel to the width. The straps shall be suitably wrapped round the folded holdall and finally fastened to the buckles. The holdalls may be packed in craft paper or waterproofed paper or cloth, if required by the purchaser.

9.2 The holdall may also be packed as agreed to between the purchaser and the supplier.

*Sampling inspection tables: Part I Inspection by attributes and by count of defects (*first revision*).

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